SRS-A71/PC71

SERVICE MANUAL

REVISED

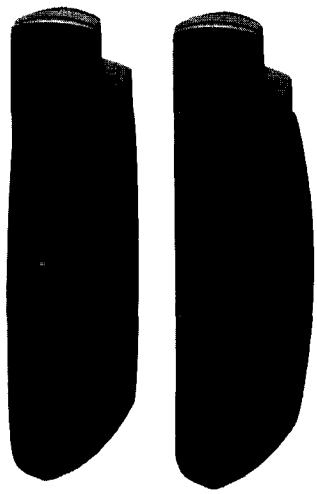


Photo · SRS-PC71

US Model
Canadian Model
AEP Model
UK Model
E Model

SPECIFICATIONS

Amplifier section

Power output	7.5 W + 7.5 W
Input impedance	47 kilohms (at 1 kHz)
Input	Phono jacks (INPUT 1)
	Stereo mini jack (INPUT 2)

Speaker section

System	2 WAY, bass reflex type
Speaker unit	Woofer
	magnetically shielded ø65 mm ($2\ ^5/_8$ inch)
	Tweeter
	magnetically shielded ø30 mm ($1\ ^3/_{16}$ inch)
Nominal Impedance	8 ohms
Rated input power	8 W

General

Power requirement	DC IN 15 V jack accepts the supplied Sony AC power adaptor
Woofer output	mini jack (monaural)
Headphone output	stereo mini jack
Dimensions	Approx. 89 × 292 × 170 mm ($3\ ^5/_8 \times 11\ ^1/_2 \times 7\ ^1/_2$ in.) (w/h/d) incl. projecting parts and controls
Mass	Approx. 910 g (2 lb) (left speaker)
	Approx. 790 g (1 lb 12 oz) (right speaker)
Supplied accessories	AC power adaptor AC-S1510 (1)
	Connecting cord (stereo miniplug ⟷ phono plugs) (1)

Design and specifications are subject to change without notice

The CE mark on the unit is valid only for products marketed in the European Union

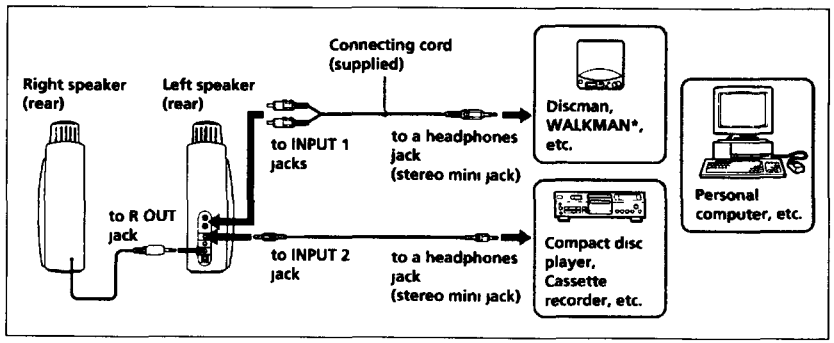
STEREO ACTIVE SPEAKER SYSTEM

MICROFILM

992307812

SONY

Connections


Right speaker (rear)
Left speaker (rear)
Connecting cord (supplied)
to INPUT 1 jacks
to a headphones jack (stereo mini jack)
Discman, WALKMAN*, etc.
Personal computer, etc.
to R OUT jack
to INPUT 2 jack
to a headphones jack (stereo mini jack)
Compact disc player, Cassette recorder, etc.

Connect the left speaker to the source equipment

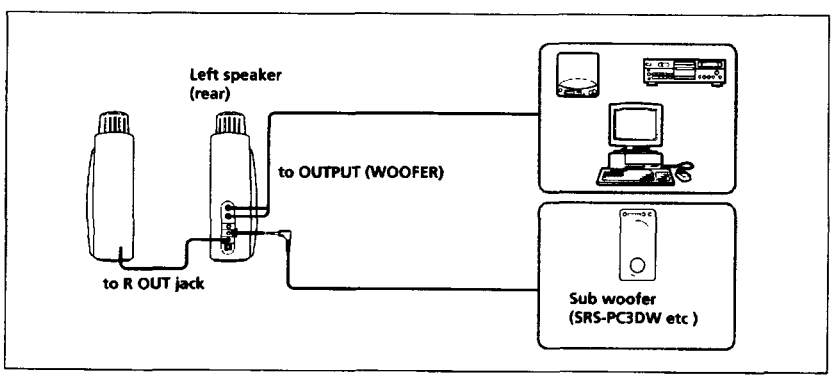
Use the INPUT 2 jack on the left speaker when connected to another source equipment

When the system is connected to a monaural jack of a radio, etc , the sound may only come through the left speaker In such case, use the optional Sony plug adaptor PC-236HG The sound will come through both speakers

To connect to a stereo phone type headphones jack

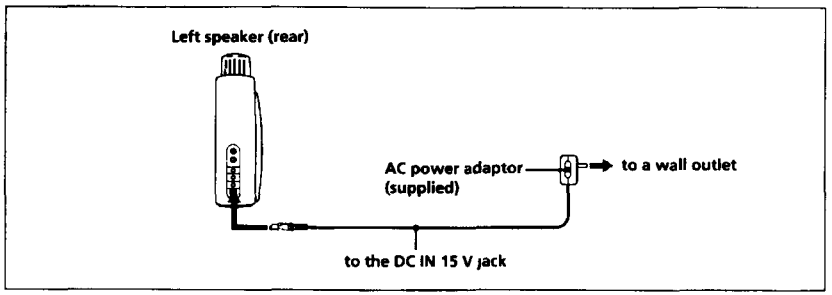
Use the optional RK-G138HG connecting cord

Connecting to a sub woofer



Connect a sub woofer to OUTPUT (WOOFER) jack (mini jack (monaural output)) The volume of the connected speaker system is adjustable with the VOLUME control

Power Source



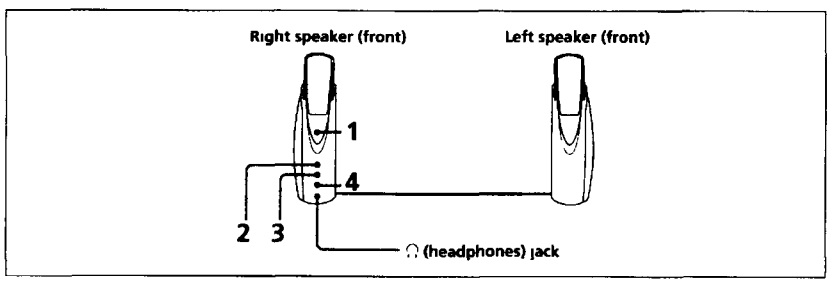
The mains power source is required when the system is used

Note on the AC power adaptor

Use only the supplied AC power adaptor AC-S1510 Do not use any other AC power adaptor

Polarity of the plug

How to use



1 **Press the POWER switch (⏻) to turn on the system.**
The POWER indicator lights up

2 **Adjust the volume with the VOLUME control.**

3 **Adjust the TREBLE control to your preference.**

4 **Adjust INPUT BALANCE control .**
You can get the desired level balance of INPUT 1 and INPUT 2

Turn off the MEGA BASS (Walkman) or BASS BOOST (Discman, etc) function as it may cause sound distortion

After listening, press the POWER switch (⏻) to turn off the system The POWER indicator goes out

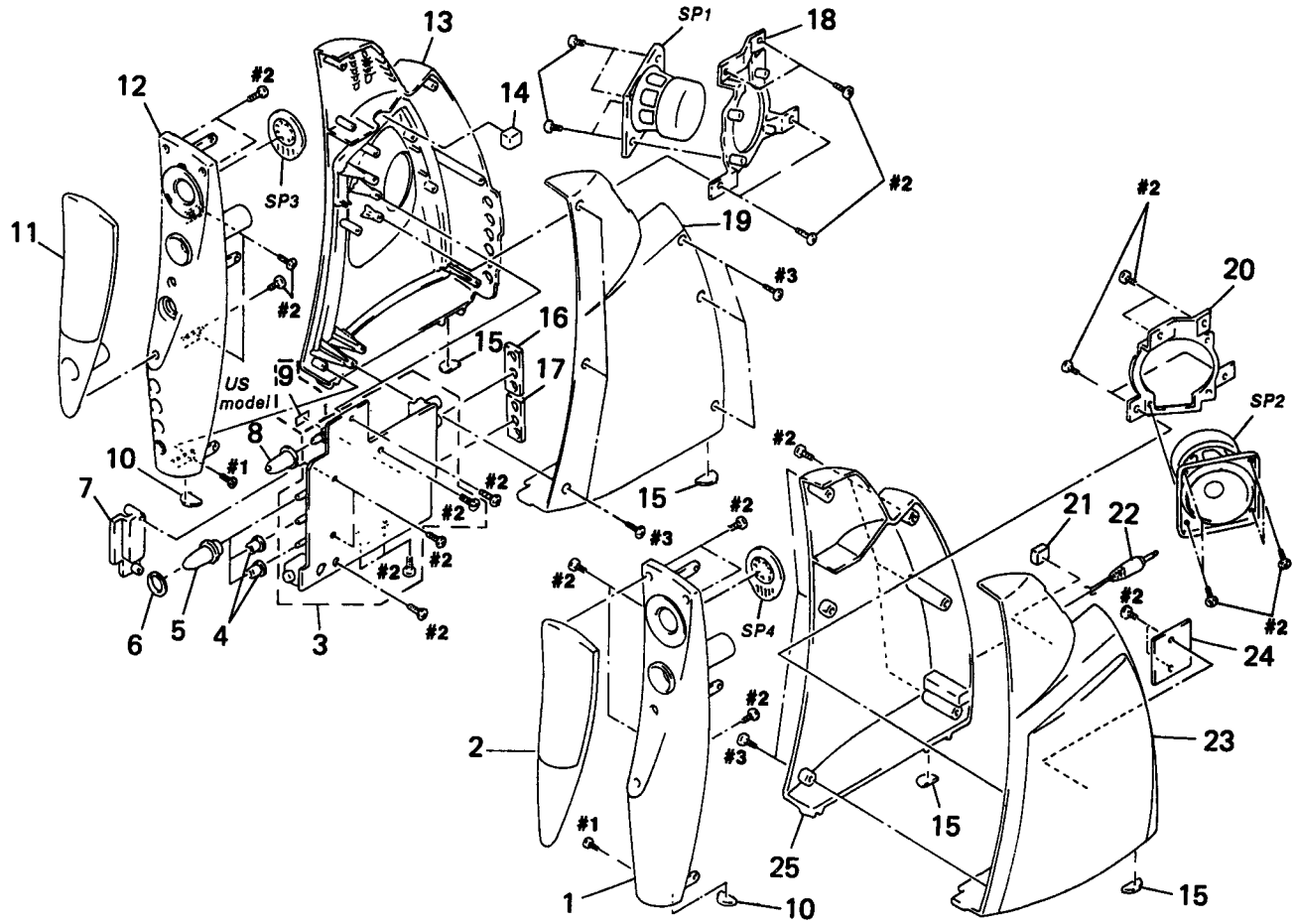
Listening with the headphones

Connect the headphones (not supplied) to the ∩ (headphones) jack on the left speaker The sound from the speakers is automatically turned off

SECTION 3
EXPLODED VIEW

NOTE :

- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked " * "are not stocked since they are seldom required for routine service Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list



Ref. No.	Part No.	Description	Remark
1	4-985-331-11	CABINET (R), FRONT (PC71)	
1	4-985-331-31	CABINET (R), FRONT (A71)	
2	X-4947-582-1	FRAME (R) ASSY, GRILLE (A71)	
2	X-4948-096-1	FRAME (R) ASSY, GRILLE (PC71)	
* 3	A-4541-143-A	AMPLIFIER BOARD, COMPLETE (US)	
* 3	A-4541-145-A	AMPLIFIER BOARD, COMPLETE (EXCEPT US)	
4	2-141-216-01	SPACER (VOL)	
5	4-985-328-11	KNOB (VOLUME) (PC71)	
5	4-985-328-31	KNOB (VOLUME) (A71)	
* 6	4-987-684-01	CUSHION (VOLUME)	
7	4-985-326-11	HOLDER, VOLUME	
8	4-985-327-11	BUTTON (POWER) (PC71)	
8	4-985-327-31	BUTTON (POWER) (A71)	
* 9	3-701-946-25	LABEL, FUSE RATING (US)	
* 10	4-985-329-01	FOOT (SMALL), RUBBER	
11	X-4947-580-1	FRAME (L) ASSY, GRILLE (A71)	
11	X-4948-094-1	FRAME (L) ASSY, GRILLE (PC71)	
12	4-985-319-11	CABINET (L), FRONT (PC71)	
12	4-985-319-31	CABINET (L), FRONT (A71)	
13	X-4947-581-1	CABINET (L) ASSY, WOOFER (A71)	
13	X-4948-095-1	CABINET (L) ASSY, WOOFER (PC71)	

Ref. No	Part No.	Description	Remark
14	4-966-854-01	CUSHION, BATTERY CASE LID	
* 15	4-985-330-01	FOOT (LARGE), RUBBER	
* 16	4-987-679-01	CUSHION (JACK A)	
* 17	4-987-680-01	CUSHION (JACK B)	
18	4-985-325-11	HOLDER (L), SPEAKER	
19	4-985-321-11	CABINET (L), SIDE (PC71)	
19	4-985-321-31	CABINET (L), SIDE (A71)	
20	4-985-336-11	HOLDER (R), SPEAKER	
21	4-966-854-01	CUSHION, BATTERY CASE LID	
22	1-775-692-11	CORD (WITH PLUG) (R) (A71)	
22	1-775-692-21	CORD (WITH PLUG) (R) (PC71)	
23	X-4947-583-1	CABINET (R) ASSY, WOOFER (A71)	
23	X-4948-097-1	CABINET (R) ASSY, WOOFER (PC71)	
* 24	1-662-971-12	SPEAKER NETWORK BOARD	
25	4-985-333-11	CABINET (R), SIDE (PC71)	
25	4-985-333-31	CABINET (R), SIDE (A71)	
SP1	1-505-322-11	SPEAKER (WOOFER) (L-CH)	
SP2	1-505-322-11	SPEAKER (WOOFER) (R-CH)	
SP3	1-505-431-11	SPEAKER (TWEETER) (L-CH)	
SP4	1-505-431-11	SPEAKER (TWEETER) (R-CH)	

SECTION 4
ELECTRICAL PARTS LIST

AMPLIFIER

NOTE

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set
- -XX, -X mean standardized parts, so they may have some difference from the original one
- RESISTORS
  All resistors are in ohms
  METAL Metal-film resistor
  METAL OXIDE Metal oxide-film resistor
  F nonflammable
- Items marked " * "are not stocked since they are seldom required for routine service Some delay should be anticipated when ordering these items
- SEMICONDUCTORS
  In each case, u μ , for example ·
  uA · μ A , uPA μ PA
  uPB · μ PB , uPC · μ PC
  uPD μ PD
- CAPACITORS
  uF · μ F
- COILS
  uH · μ H
- Abbreviation
  CND : Canadian SP · Singapore

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety
Replace only with part number specified

Les composants identifiés par une marque ⚠sont critiques pour la sécurité
Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board

Ref No	Part No	Description			Remark
*	A-4541-143-A	AMPLIFIER BOARD, COMPLETE (US)			
*	A-4541-145-A	AMPLIFIER BOARD, COMPLETE (EXCEPT US)			
		**********			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
C1	1-124-252-00	ELECT	0.33uF	20%	50V
C2	1-124-252-00	ELECT	0 33uF	20%	50V
C3	1-124-252-00	ELECT	0.33uF	20%	50V
C4	1-124-252-00	ELECT	0 33uF	20%	50V
C5	1-130-484-00	MYLAR	0.012uF	5%	50V
C6	1-124-464-11	ELECT	0.22uF	20%	50V
C7	1-130-484-00	MYLAR	0 012uF	5%	50V
C8	1-124-464-11	ELECT	0 22uF	20%	50V
C9	1-130-494-11	MYLAR	0 082uF	5%	50V
C10	1-130-494-11	MYLAR	0 082uF	5%	50V
C11	1-124-902-00	ELECT	0 47uF	20%	50V
C12	1-124-902-00	ELECT	0 47uF	20%	50V
C13	1-126-964-11	ELECT	10uF	20%	50V
C14	1-126-964-11	ELECT	10uF	20%	50V
C15	1-124-902-00	ELECT	0 47uF	20%	50V
C16	1-124-902-00	ELECT	0.47uF	20%	50V
C17	1-124-903-11	ELECT	1uF	20%	50V
C18	1-124-903-11	ELECT	1uF	20%	50V
C19	1-126-933-11	ELECT	100uF	20%	16V
C20	1-130-495-00	MYLAR	0 1uF	5%	50V
C21	1-126-933-11	ELECT	100uF	20%	16V
C22	1-130-495-00	MYLAR	0 1uF	5%	50V
C23	1-126-933-11	ELECT	100uF	20%	16V
C24	1-130-489-00	MYLAR	0 033uF	5%	50V
C25	1-130-489-00	MYLAR	0 033uF	5%	50V
C26	1-126-933-11	ELECT	100uF	20%	16V
C27	1-126-933-11	ELECT	100uF	20%	16V
C28	1-130-489-00	MYLAR	0 033uF	5%	50V
C29	1-130-489-00	MYLAR	0 033uF	5%	50V
C30	1-126-933-11	ELECT	100uF	20%	16V
C31	1-126-965-11	ELECT	22uF	20%	50V
C32	1-104-665-11	ELECT	100uF	20%	25V
C33	1-130-499-00	MYLAR	0 22uF	5%	50V
C34	1-126-926-11	ELECT	1000uF	20%	10V
C35	1-109-953-11	ELECT	2 2uF	20%	50V
C36	1-126-933-11	ELECT	100uF	20%	16V
C37	1-126-933-11	ELECT	100uF	20%	16V
C38	1-126-933-11	ELECT	100uF	20%	16V
C39	1-126-942-61	ELECT	1000uF	20%	25V
C40	1-124-903-11	ELECT	1uF	20%	50V

Ref. No.	Part No	Description			Remark
C41	1-126-964-11	ELECT	10uF	20%	50V
C42	1-126-966-11	ELECT	33uF	20%	50V
C43	1-126-964-11	ELECT	10uF	20%	50V
C44	1-126-933-11	ELECT	100uF	20%	16V
C45	1-126-934-11	ELECT	220uF	20%	16V
C46	1-126-933-11	ELECT	100uF	20%	16V
C47	1-126-933-11	ELECT	100uF	20%	16V
C48	1-162-294-31	CERAMIC	0.001uF	10%	50V
C49	1-162-294-31	CERAMIC	0 001uF	10%	50V
C50	1-162-294-31	CERAMIC	0 001uF	10%	50V
C51	1-162-294-31	CERAMIC	0.001uF	10%	50V
C56	1-162-294-31	CERAMIC	0 001uF	10%	50V
C57	1-162-294-31	CERAMIC	0.001uF	10%	50V
C58	1-162-294-31	CERAMIC	0 001uF	10%	50V
C59	1-162-294-31	CERAMIC	0.001uF	10%	50V
C60	1-162-294-31	CERAMIC	0.001uF	10%	50V
C61	1-162-294-31	CERAMIC	0 001uF	10%	50V
C62	1-162-294-31	CERAMIC	0.001uF	10%	50V
C63	1-162-294-31	CERAMIC	0.001uF	10%	50V
C66	1-161-051-00	CERAMIC	0 01uF	10%	50V
C67	1-162-294-31	CERAMIC	1000PF	10%	50V
C68	1-162-294-31	CERAMIC	1000PF	10%	50V
C69	1-162-288-31	CERAMIC	330PF	10%	50V
C70	1-162-288-31	CERAMIC	330PF	10%	50V
C71	1-162-294-31	CERAMIC	1000PF	10%	50V
C72	1-162-294-31	CERAMIC	1000PF	10%	50V
C73	1-162-294-31	CERAMIC	1000PF	10%	50V
		< CONNECTOR >			
* CNP1	1-569-975-11	PIN, CONNECTOR (PC BOARD) 4P			
		< DIODE >			
D1	8-719-911-19	DIODE 1SS119			
D2	8-719-911-19	DIODE 1SS119			
D3	8-719-122-79	DIODE RD24ES-T1L3			
D4	8-719-812-43	LED TLG124A (POWER)			
		< FUSE >			
⚠FU1	1-532-595-00	FUSE, GLASS TUBE (3 15A/125V) (US)			
		< IC >			
IC1	8-759-822-51	IC LA4620			
		< JACK >			
JK1	1-580-441-51	JACK, PIN 2P (INPUT 1)			

AMPLIFIER | SPEAKER NETWORK

Ref. No	Part No	Description			Remark
JK2	1-566-822-21	JACK (INPUT 2)			
JK3	1-566-822-21	JACK (OUTPUT(WOOFER))			
JK4	1-566-822-21	JACK (R OUT)			
JK5	1-750-264-11	JACK (∩)			
JK6	1-695-619-11	JACK, DC (DC IN 15V)			
		< TRANSISTOR >			
Q1	8-729-205-83	TRANSISTOR 2SC2458L-GR			
Q2	8-729-205-83	TRANSISTOR 2SC2458L-GR			
Q3	8-729-205-83	TRANSISTOR 2SC2458L-GR			
Q4	8-729-205-83	TRANSISTOR 2SC2458L-GR			
		< RESISTOR >			
R1	1-249-417-11	CARBON	1K	5%	1/4W
R2	1-249-417-11	CARBON	1K	5%	1/4W
R3	1-249-417-11	CARBON	1K	5%	1/4W
R4	1-249-417-11	CARBON	1K	5%	1/4W
R5	1-249-425-11	CARBON	4.7K	5%	1/4W
R6	1-249-425-11	CARBON	4 7K	5%	1/4W
R7	1-249-425-11	CARBON	4.7K	5%	1/4W
R8	1-249-425-11	CARBON	4.7K	5%	1/4W
R9	1-249-425-11	CARBON	4 7K	5%	1/4W
R10	1-247-843-11	CARBON	3 3K	5%	1/4W
R11	1-247-843-11	CARBON	3 3K	5%	1/4W
R12	1-249-414-11	CARBON	560	5%	1/4W
R13	1-249-407-11	CARBON	150	5%	1/4W
R14	1-249-429-11	CARBON	10K	5%	1/4W
R15	1-249-425-11	CARBON	4 7K	5%	1/4W
R16	1-247-843-11	CARBON	3 3K	5%	1/4W
R17	1-247-843-11	CARBON	3 3K	5%	1/4W
R18	1-249-414-11	CARBON	560	5%	1/4W
R19	1-249-429-11	CARBON	10K	5%	1/4W
R20	1-249-407-11	CARBON	150	5%	1/4W
R21	1-249-437-11	CARBON	47K	5%	1/4W
R22	1-249-437-11	CARBON	47K	5%	1/4W
R23	1-247-843-11	CARBON	3 3K	5%	1/4W
R24	1-249-414-11	CARBON	560	5%	1/4W
R25	1-249-413-11	CARBON	470	5%	1/4W
R26	1-247-843-11	CARBON	3 3K	5%	1/4W
R27	1-249-414-11	CARBON	560	5%	1/4W
R28	1-249-413-11	CARBON	470	5%	1/4W
R29	1-249-417-11	CARBON	1K	5%	1/4W
R30	1-249-417-11	CARBON	1K	5%	1/4W
R31	1-249-385-11	CARBON	2 2	5%	1/6W
R32	1-249-385-11	CARBON	2 2	5%	1/6W
R33	1-249-385-11	CARBON	2 2	5%	1/6W
R34	1-249-385-11	CARBON	2 2	5%	1/6W
R35	1-249-429-11	CARBON	10K	5%	1/4W
R36	1-247-815-91	CARBON	220	5%	1/4W
R37	1-247-815-91	CARBON	220	5%	1/4W
R38	1-249-422-11	CARBON	2 7K	5%	1/4W
R39	1-249-422-11	CARBON	2 7K	5%	1/4W
R40	1-249-411-11	CARBON	330	5%	1/4W
R41	1-249-435-11	CARBON	33K	5%	1/4W
R42	1-249-435-11	CARBON	33K	5%	1/4W
R43	1-249-429-11	CARBON	10K	5%	1/4W
R44	1-249-429-11	CARBON	10K	5%	1/4W
R45	1-247-807-31	CARBON	100	5%	1/4W

Ref No	Part No.	Description			Remark
R46	1-247-807-31	CARBON	100	5%	1/4W
R47	1-249-411-11	CARBON	330	5%	1/4W
R48	1-249-407-11	CARBON	150	5%	1/4W
R49	1-249-407-11	CARBON	150	5%	1/4W
R50	1-249-421-11	CARBON	2 2K	5%	1/4W
R51	1-247-843-11	CARBON	3 3K	5%	1/4W
R52	1-247-843-11	CARBON	3 3K	5%	1/4W
R53	1-249-420-11	CARBON	1.8K	5%	1/4W
		< VARIABLE RESISTOR >			
RV1	1-225-344-11	RES, VAR (INPUT)			
RV2	1-223-454-11	RES, VAR, CARBON 10K/10K (TREBLE)			
RV3	1-223-454-11	RES, VAR, CARBON 10K/10K (VOLUME)			
		< SWITCH >			
SW1	1-762-831-11	SWITCH, PUSH (POWER)			
*	1-662-971-12	SPEAKER NETWORK BOARD			
		< CAPACITOR >			
C101	1-109-953-11	ELECT	2 2uF	20%	50V
		< CONNECTOR >			
* CNP101	1-569-975-11	PIN, CONNECTOR (PC BOARD) 4P			
		MISCELLANEOUS			
22	1-775-692-11	CORD (WITH PLUG) (R) (A71)			
22	1-775-692-21	CORD (WITH PLUG) (R) (PC71)			
SP1	1-505-322-11	SPEAKER (WOOFER) (L-CH)			
SP2	1-505-322-11	SPEAKER (WOOFER) (R-CH)			
SP3	1-505-431-11	SPEAKER (TWEETER) (L-CH)			
SP4	1-505-431-11	SPEAKER (TWEETER) (R-CH)			
		ACCESSORIES & PACKING MATERIALS			
⚠	1-473-851-11	ADAPTOR, AC (AC-S1510) (US CND)			
⚠	1-473-852-11	ADAPTOR, AC (AC-S1510) (AEP,SP)			
⚠	1-473-853-11	ADAPTOR, AC (AC-S1510) (UK)			
	1-775-996-11	CORD, CONNECTION (INPUT 1			
	3-858-560-11	MANUAL, INSTRUCTION (ENGLISH,FRENCH,GERMAN,SPANISH) CND,AEP,UK,SP)			
	3-858-560-21	MANUAL, INSTRUCTION (DUTCH,SWEDISH,ITALIAN,PORTUGUESE) (AEP,UK,SP)			
	3-858-560-31	MANUAL, INSTRUCTION (ENGLISH) (US)			

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety Replace only with part number specified	Les composants identifiés par une marque ⚠sont critiques pour la sécurité Ne les remplacer que par une pièce portant le numéro spécifié

Ref. No.	Part No.	Description	Remark
		********** **HARDWARE LIST** **********	
#1	7-685-134-19	SCREW +P 2 6X8 TYPE2 SLIT	
#2	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
#3	7-685-648-79	SCREW +P 3X12 TYPE2 NON-SLIT	

9-923-078-12

Sony Corporation
Personal A&V Products Company

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